

AMENDMENT TRANSMITTAL LETTER (Small Entity)

Applicant(s): Karl Guthrie, et al.

Docket No.

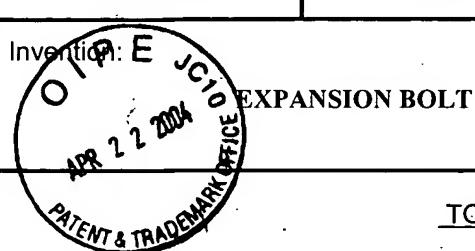
P 6040.13007

Serial No.
10/749,728Filing Date
December 30, 2003

Examiner

Group Art Unit

Invention:



EXPANSION BOLT

TO THE COMMISSIONER FOR PATENTS:

Transmitted herewith is an amendment in the above-identified application.

Small Entity status of this application has been established under 37 CFR 1.27 by a verified statement previously submitted.

A verified statement to establish Small Entity status under 37 CFR 1.27 is enclosed.

The fee has been calculated and is transmitted as shown below.

CLAIMS AS AMENDED

	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	31	22 =	9	x \$9.00	\$81.00
INDEP. CLAIMS	4	3 =	1	x \$43.00	\$43.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$124.00

No additional fee is required for amendment.

Please charge Deposit Account No. in the amount of

A check in the amount of \$124.00 to cover the filing fee is enclosed.

The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 02-2451

Any additional filing fees required under 37 C.F.R. 1.16.

Any patent application processing fees under 37 CFR 1.17.



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Dated: April 19, 2004

I certify that this document and fee is being deposited on April 20, 2004 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

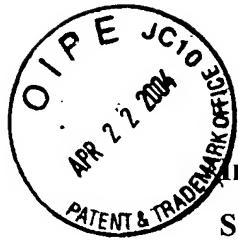


Signature of Person Mailing Correspondence



Typed or Printed Name of Person Mailing Correspondence

CC:



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT EXAMINING OPERATIONS

Inventor: Karl Guthrie, et al.
Serial No.: 10/749,728
Filed: December 30, 2003
Title: EXPANSION BOLT

Group Art Unit:
Examiner:
Docket: P6040.13007

Certificate of Mailing

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L.H. Rouske
L.H. Rouske

BIRDWELL & JANKE, LLP
1100 SW Sixth Avenue, Suite 1400
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April 20, 2004

AMENDMENT

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Greetings:

Please enter the following amendments to the above referenced application.

Thank you very much.

Sincerely,

Geoffrey K. Cooper

Geoffrey K. Cooper
Reg. No. 51,266

04/22/2004 FFANAEIA 00000070 10749728

01 FC:2201
02 FC:2202

43.00 0P
81.00 0P

Amendment

In the Detailed Description of a Preferred Embodiment:

Throughout: Substitute "frustum" for "frustrum".

Amend the paragraph on Page 7 starting at line 1 as is shown below:

As is common in the art, the expansion bolt 10 includes a cable 12 having at a chock at a distal end thereof. According to the invention, a center or inner chock 14 is provided having an outer surface 13, the center or inner chock preferably being of a wedge or frustoconical shape, and a A cooperating outer chock assembly 15 is provided to engage the center chock and to accommodate linear movement of the cable 12 along a longitudinal axis "L" with respect thereto. For example, the cable may be passed through a hole 18 in a collar 20 supporting the chock assembly 15.

Amend the paragraph on Page 8 starting at line 4, adding the following after the last sentence of the paragraph:

However the outer surface 13 of the inner chock 14 and the inner surfaces 16a and 17a of outer chocks 16 and 17 may be flat without departing from the character of the invention.

Amend the paragraph on Page 9 starting at line 7, adding the following after the last sentence of the paragraph:

It is recognized that the complementary frustoconical surfaces may be of a greater or lesser radial expanse, having a greater or lesser expanse of curved surface, without departing from the invention.

Amend the paragraph on Page 15 starting at line 6 as shown below:

A loop 80 is provided at a proximal end of the cable providing an anchoring eye for connection to, e.g. a safety harness. The cable is carried through the loop by a metal guard 82 for protecting the cable from being cut by anchoring hardware. The cable extends through a collar 84 that has an outer diameter "D" that is sized to fit the hole in which the expansion bolt 70 is to be inserted. The collar 84 bears is adapted to bear on the surface of the object around so hole so that it is prevented from passing through the hole to avoid inadvertent over-insertion of the expansion bolt, which could result in making the bolt extremely difficult or impossible to remove from the hole. The collar includes two, preferably flexible, control cables 86a, 86b attached respectively to the outer chocks.

Amend the paragraph on Page 15 starting at line 14 as follows:

The bolt 70 preferably has a cleaning bushing 73 similar to that described above in connection with Figure 4. In this example the cleaning bushing 73 has a sufficiently small diameter face 74 that the control cables 86 do not pass through the cleaning bushing. The cleaning bushing may be struck using a hammer and a long tool such as a punch or screwdriver to release the expansion bolt when the trigger 84 is jammed, accessing the bushing by placing the punch past the trigger and into the hole until it contacts the cleaning bushing, then striking the head of the punch which serves to drive the inner chock in a distal direction, contracting the radial expansion of the chocks and releasing the expansion bolt.